

WHAT IS CLAIMED IS:

- 2 1. A light control type LED lighting equipment comprising:  
a LED aggregate lamp portion, in which a first color LED  
group, a second color LED group and a third color LED group  
5 are included;  
an alternating current power connecting portion for being  
connected to a power source;  
a power source converting portion for rectifying an  
alternating current power received through said alternating  
10 current power connecting portion;  
a first color drive circuit, a second color drive circuit  
and a third color drive circuit for supplying power for respective  
of the first color LED group, the second color LED group and  
the third color LED group by an output of said power source  
15 converting portion so as to illuminate the LED groups;  
control input generating means for generating one series  
of control input signal, a value of said control input signal  
increasing or decreasing within a predetermined range in  
response to operation by a user;  
20 control output generating means for generating a  
combination of first color luminance data, a second color  
luminance data and a third color luminance data corresponding  
to a value of said control input signal according to a  
predetermined characteristics; and  
25 individual power control means for independently

controlling said first color drive circuit, said second color drive circuit and said third color drive circuit on the basis of said first color luminance data, said second color luminance data and said third color luminance data for varying power supply  
5 amount for said first LED group, said second LED group and said third LED group,

a color tone of said LED aggregate lamp portion being varied continuously depending on the value of said control input signal according to a predetermined primary curve set in a  
10 chromaticity coordinate.

2. A light control type LED lighting equipment as set forth in claim 1, further comprising:

second control input generating means for generating one  
15 series of second control signal, a value of said second signal increasing or decreasing within a predetermined range by operation of the user;

common power control means for uniformly varying power supply amount for said first color LED group, said second color  
20 LED group and said third color LED group by uniformly increasing or decreasing amount of current value of said first color drive circuit, said second color drive circuit and said third color drive circuit depending upon a value of said second control input signal,

25 said hue of said LED aggregate lamp substantially

maintained while brightness of the lighting is varied.

3. A light control type lighting equipment as set forth in claim 2, wherein said first color drive circuit, said second color drive circuit and said third color drive circuit are constant current type, and said individual power control means individually varies power supply amount for said first color LED group, said second color LED group and said third color LED group by a pulse width modulation method.

4. A light control type LED lighting equipment as set forth in claim 1, further comprising:

second control input generating means for generating one series of second control signal, a value of said second control signal increasing or decreasing within a predetermined range by operation of the user;

common power control means for uniformly varying power supply amount for said first color LED group, said second color LED group and said third color LED group by varying output from said power source converting portion depending upon a value of said second control input signal,

said hue of said LED aggregate lamp substantially maintained while brightness of the lighting is varied.

5. A light control type LED lighting equipment as set forth

1 / 8. A light control type LED lighting equipment comprising:  
15 a LED aggregate lamp portion, in which a first color LED group, a second color LED group and a third color LED group are included;

control input generating means for generating one series  
of control input signal, a value of said control input signal  
increasing or decreasing within a predetermined range in  
25 response to operation by a user;

5

10

15